

D-19-Z

Roll No. 7110311

Total No. of Questions : 11]

[Total No. of Printed Pages : 2

HSEIRKN15

6419-Z

ZOOLOGY

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

(Long Answer Type Questions) 5 Each,

1. What do you mean by "DNA Fingerprinting" ? Explain in brief "Human Genome Project" and its significance.

Or

Explain Hardy Weinberg's Principle. Add a note on Adaptive radiation.

2. Define "Gametogenesis". Describe the microscopic anatomy of 'Human Testis'.

Or

Name various methods of 'Asexual Reproduction'. Describe any three of them.

(Short Answer Type Questions) 3 Each

3. Write a short note on "Gene therapy".
4. What is Filaria? How is it caused ?
5. Name Mendelian disorders in humans. Explain colourblindness in human beings.
6. Write a short note on "MTP".

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Turn Over

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(Very Short Answer Type Questions)

2 Each

7. What do you mean by "Amniocentesis" ?
8. What is the difference between Homologous and Analogous Organs ?
9. What do you mean by "DNA Recombinant Technology" ?
10. What is the economic importance of "Silk" ?

(Objective/M.C.Q. Type Questions)

1 Each

Do as directed :

11. (i) Expand the term "STD".
- (ii) Weisman theory is known as theory of continuity of "Germplasm". (Say Yes/No)
- (iii) Differences that exist among organisms are called
(Fill up)
- (iv) Passive immunity was discovered by :
(a) Louis Pasteur (b) Robert Koch
(c) Von-Behring (d) ~~Edward~~ Jenner
(Choose the correct one)
- (v) Give one word for :
"The allergin-reagin reaction occurs in the bronchioles of the lungs."